

CHECKLIST FOR UTILITY PROJECTS (includes all pipelines, powerlines, hydroelectric facility, and conduits)

1. Purpose and Need

- a. what will be constructed (overhead, buried, attachment to existing facility)
- b. commodity to be transported and for what purpose
- c. is the pipeline for a gathering system, trunk line, or distribution line
- d. will it be surface or subsurface
- e. will it be attached to a bridge or overchute
- f. is this ancillary to an existing right of way
- g. list alternative routes or locations
- h. what is the voltage
- i. overhead clearance
- j. warning signs ("danger high voltage")

2. Location of Proposed Project

- a. legal description
- b. site specific engineering surveys for critical areas
- c. maps and drawings showing river, canal crossings
- d. acre calculation of the right-of-way

3. Facility Design Factors

- a. pipeline pressure standards (psi)
- b. toxicity of pipeline product
- c. anticipated operating temperatures
- d. depth of the pipeline, powerpoles
- e. permanent width or size
- f. temporary staging areas

4. Government Agency Involved

- a. FERC
- b. Section 404, 402/401, others as appropriate
- c. State and local permits

5. Construction of the Facility

- a. description of construction activities (crossing, underground, attachment to bridge/overchutes)
- b. types of equipment needed, including tons/loads
- c. flagging/staking
- d. vegetation clearing and grading
- e. access
- f. engineering drawings, cross sections, diagrams, specifications
- g. special equipment to be utilized
- h. construction management plans
- i. safety plan

- j. job hazardous analysis
- k. spill contingency plan
- l. design code(s) used for the utility crossing
- m. identify Reclamation Milepost/Station at proposed crossing
- n. type of protective coating for exposed or buried pipelines

6. Resource and Environmental Concerns

- a. anticipated conflicts with resources or public health and safety

1) air, noise, geologic hazards, vegetation, wildlife (threatened & endangered species), cultural resources, visual resources, recreation activities, etc)

7. Stabilization and Rehabilitation

- a. soil replacement and stabilization
- b. disposal of vegetation removed during construction
- c. seeding specifications

8. Operation and Maintenance

- a. access needs for ongoing O&M activities
- b. inspection and maintenance schedules
- c. work schedules
- d. fire control
- e. emergency planning

9. Termination and Restoration

- a. removal of structures
- b. stabilization and re-vegetation of disturbed areas